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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Applicants : Pirooz Vatan, C. Harry Knowles, Xiaoxun Zhu and
Constantine J. Tsikos
Application Serial No.: 10/068,462
Filing Date : February 7, 2002
Title: METHOD OF AND SYSTEM FOR PRODUCING HIGH-
RESOLUTION 3-D IMAGES OF 3-D OBJECT SURFACES
HAVING ARBITRARY SURFACE GEOMETRY
Examiner : Thien Le
Group Art Unit : 2874
Attorney Docket No. : 108-151USAN10

Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

AMENDMENT TO THE SPECIFICATION

Sir:

Prior to issuance of the above-referenced Patent Application, please amend the same as follows:

AMENDMENT TO THE SPECIFICATION:

Please amend the Specification as follows:

On Page 81, amend the fifth paragraph as follows:

Fig. ~~4I22B~~ 1I23B is a schematic representation of a second illustrative embodiment of the system shown in Fig. 1I20, wherein an electro-mechanical mechanism is used to generate a rotating maltese-cross aperture (or other spatial intensity modulation plate) disposed before the pupil of the IFD Subsystem, so that the wavefront of the return PLIB is spatial intensity modulated at the IFD subsystem in accordance with the principles of the present invention;

On Page 84, amend the first and second paragraphs as follows:

Fig. ~~4I25B2~~ 1I25B2 is an elevated side view of the PLIIM-based system of Fig. 1I25B1, showing the optical path traveled by the PLIB produced from one of the PLIMs during object illumination operations, as the PLIB is micro-oscillated in orthogonal dimensions by the 2-D